

# Claims

- [c1] 1. A lens for chromatic aberration compensation, comprising:  
a lens body, having a light incident plane and a light exit plane, wherein the light exit plane comprises a plurality of discrete first areas; and  
a plurality of color filter films, disposed over the first areas of the lens body respectively.
- [c2] 2. The lens of claim 1, wherein the lens body has an optical axis, and the first areas comprise a plurality of annular areas with different size and arranged concentric to the optical axis.
- [c3] 3. The lens of claim 1, wherein the first area comprises fan-shaped area or polygon area.
- [c4] 4. The lens of claim 1, wherein the light incident plane is composed of a plurality of discrete second areas.
- [c5] 5. The lens of claim 4, wherein the lens body has an optical axis, and the second areas comprise a plurality of annular areas with different size and arranged concentric to the optical axis.

- [c6] 6. The lens of claim 4, wherein the second area comprises fan-shaped area or polygon area.
- [c7] 7. The lens of claim 1, wherein the lens body comprises Fresnel lens.
- [c8] 8. The lens of claim 1, wherein the lens body comprises spherical lens or aspheric lens.
- [c9] 9. The lens of claim 1, wherein a material of the lens body comprises glass or plastic.
- [c10] 10. The lens of claim 1, wherein the color filter films comprises red color filter films, green color filter films or blue color filter films.
- [c11] 11. A lens for chromatic aberration compensation, comprising:  
a lens body, having a light incident plane and a light exit plane, wherein the light incident plane comprises a plurality of discrete areas; and  
a plurality of color filter films, disposed over the discrete areas of the lens body respectively.
- [c12] 12. The lens of claim 11, wherein the lens body has an optical axis, and the discrete areas comprises a plurality of annular areas with different size and arranged concentric to the optical axis.

- [c13] 13. The lens of claim 11, wherein the discrete area comprises fan-shaped area or polygon area.
- [c14] 14. The lens of claim 11, wherein the lens body comprises Fresnel lens.
- [c15] 15. The lens of claim 11, wherein the lens body comprises spherical lens or aspheric lens.
- [c16] 16. The lens of claim 11, wherein a material of the lens body comprises glass or plastic.
- [c17] 17. The lens of claim 11, wherein the color filter films comprise red color filter films, green color filter films or blue color filter films.